

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 Claim 1 (currently amended): A method of discovery of  
2 devices on a network, which network comprises a plurality of  
3 devices, at least some of which are managed, at least one  
4 unmanaged phone, and a telephone controller, said method  
5 comprising the steps of: establishing an address for each of  
6 the managed devices, the telephone controller, and the or  
7 each-said one phone so as to define a plurality of  
8 addresses, establishing the a type of each managed device in  
9 the network, (determining which of the remaining devices are  
10 phones by accessing the-relevant information in the  
11 discovered telephone controller by establishing  
12 correspondence between the or each-said one phone and its  
13 address, and using this informationsaid correspondence to  
14 provide a display of the topology of the network including  
15 the or each-said one phone.

1 Claim 2 (original): A method as claimed in claim 1 in which  
2 the telephone controller is accessed to obtain information  
3 stored in a memory of the telephone controller.

1 Claim 3 (original): A method as claimed in claim 1 in which  
2 said addresses comprise MAC addresses.

1 Claim 4 (currently amended): A method as claimed in claim 1  
2 ~~including the further~~ comprising the step of discovering and

3 displaying the topology ~~of an arrangement~~ wherein a single  
4 port of a managed device is connected to a phone and a  
5 further non-phone device.

1 Claim 5 (currently amended): A method as claimed in claim 1  
2 ~~including further comprising the step of~~ converting  
3 information relating to the devices, the telephone  
4 controller, ~~and the phones~~ said one phone into a visual  
5 display on a visual display apparatus representing ~~the a~~  
6 physical relationship ~~between among~~ the devices, ~~for the~~  
7 telephone controller and ~~the phones~~ said one phone.

1 Claim 6 (currently amended): A computer program on a  
2 computer readable medium loadable into a digital computer ~~or~~  
3 ~~embodied in a carrier wave~~, said computer program comprising  
4 software for performing the method of claim 1.

1 Claim 7 (currently amended): A computer program on a  
2 computer readable medium or embodied in a carrier wave for  
3 use in discovery of devices on a network, which network  
4 comprises a plurality of devices, at least some of which are  
5 managed, at least one unmanaged phone, and a telephone  
6 controller, said computer program comprising:

7 program step for establishing an address for ~~the or~~  
8 each of the managed devicee devices;

9 program step for establishing an address for the  
10 telephone controller;

11 program step for establishing an address for ~~the or~~  
12 each said one phone;

13 program step for determining which of the remaining  
14 devices are phones by accessing ~~the relevant~~ information in  
15 the ~~discovered~~ telephone controller and establishing

16 correspondence between ~~the or each said phone~~ each of said  
17 phones and its address; and  
18 program step for using ~~this information said~~  
19 correspondence to provide a display of ~~the a~~ topology of the  
20 network including ~~the or each said one~~ phone.

1 Claim 8 (original): A program as claimed in claim 7 in  
2 which the telephone controller is accessed to obtain  
3 information stored in a memory of the telephone controller.

1 Claim 9 (currently amended): A program as claimed in  
2 claim 7 in which said addresses comprise ~~the a~~ MAC address.

1 Claim 10 (currently amended): A program as claimed in  
2 claim 7 ~~including the further~~ comprising the program step of  
3 discovering and displaying the topology ~~of an arrangement~~  
4 wherein a single port of a managed device is connected to an  
5 Ethernet phone and a further non-phone device.

1 Claim 11 (currently amended): A program as claimed in  
2 claim 7 ~~including the further~~ comprising the program step of  
3 converting information relating to the devices, the  
4 telephone controller, and the telephones into a visual  
5 display on a visual display apparatus representing ~~the a~~  
6 physical relationship ~~between among~~ the devices, the  
7 telephone controller and the phones.

1 Claim 12 (currently amended): A computer program on a  
2 computer readable medium or embodied in a carrier wave for  
3 use in discovery of devices on a network, which network  
4 comprises a plurality of devices, at least one of which is

5 managed, at least one unmanaged phone, and a telephone  
6 controller, said computer program comprising:

7 a program step to discover the network, including the  
8 managed devices, the telephone controller and to establish  
9 the MAC addresses of unmanaged phones;

10 a program step to obtain information from the telephone  
11 controller containing an association of MAC address(es)  
12 addresses to the or each of said phone phones;

13 a program step to find ports of devices with MAC  
14 address addresses of said phones; and

15 a program step to determine, in respect of a port on  
16 which a MAC address of one of a phone said phones is  
17 present, if there is only single MAC address;

18 if yes, a program step to display a phone icon and  
19 relevant details connected directly to the port; and

20 if no, a program step to determine if there are  
21 two first and second MAC addresses and if one the first MAC  
22 address is associated is a phone with one of said phones;

23 if yes, a program step to provide a display of a  
24 device with the second MAC address connected to the network  
25 via an icon of the phone; and

26 if no, a program step to display an unmanaged  
27 aggregator display cloud.

1 Claim 13 (original): A computer program embodied in a  
2 carrier wave, said computer program comprising software for  
3 performing the method of claim 1.

1 Claim 14 (currently amended): A computer network comprising  
2 a plurality of devices, at least some of which are managed,  
3 at least one unmanaged phone, and a telephone controller,  
4 including: means for establishing an address for each of the

5 managed devices, the telephone controller and ~~the or each~~  
6 said one phone, means for establishing ~~the a~~ type of each  
7 managed device in the network, means for determining which  
8 of the remaining devices are phones by means for accessing  
9 ~~the relevant information in the discovered telephone~~  
10 controller by establishing correspondence between ~~the or~~  
11 each ~~said one~~ phone and its address, and means for using  
12 ~~this information~~ said correspondence to provide a display of  
13 ~~the topology of the network including the or each~~ said one  
14 phone.

1 Claim 15 (original): A computer network as claimed in  
2 claim 14 in which the telephone controller is accessed to  
3 obtain information stored in a memory of the telephone  
4 controller.

---